

1 ATGCAGAAGA CTCTCAAGA TTCAAGCTTC CTGGAAACTG ATCTTCAATG  
51 CACTAAGAGA AGGAGACITC CAAACCCAAA AATGAACCTGG AGGCCACCATG  
M T W R H H  
101 TCAGGCTTCT GTTTACCGTC AGTTGGCAT TACAGATCAT CAATTGGGA  
V R L L F T V S L A L Q I I N L G  
151 AACAGCTATC AAAGAGAGAA ACATAACGGC GGTAGAGAGG AAGTCACCAA  
N S Y Q R E K H N G G R E E V T K  
201 GGTTGCCACT CAGAACCAAC GACAGTCACG GCTCAACTGG ACCTOCAGTC  
V A T Q K H R Q S P L N W T S S  
251 ATTTGGAGA CGTGACTCGG AGGGCGAGG GCTCCCCCCC GGAGGAGCCG  
H F G E V T G S A E G W G P E E P  
301 CTCCCCCTACT CGGGGCTTT CGGAGAGGGT CGTCCGGGC GCGGGGCTG  
L P Y S R A F G E G A S A R P R C  
351 CTGCCAGAAC CGGGGTACCT GGGTCTGGG CAGCTCTGC GTGTGGGGG  
C R N G G T C V L G S F C V C P  
401 CCCACTTCAC CGGGGCTAC TGCGAGCATG ACCAGAGGGG CAGTGAATGC  
A H F T G R Y C E H D Q R R S E C  
451 CGGGGGCTGG ACCAOGGAGC CTGGACCCTC CGGGCTGOC ACCTCTGCAG  
G A L E H G A W T L R A C H L C R  
501 GTGCATCTTC CGGGGGCTGC ACTGGCTAAC CCTCCAGAGG OCTGACGGCT  
C I F G A L H C L P L Q T P D R  
551 GTGACGGGAA AGACTTOCTG GGGTCCAGG CTCACTGGGCG GAGGGGGGG  
C D P K D F L A S H A H G P S A G  
601 CGGGGGGGCA GGGTGTACT CTGGCTGGC TGCGAACCTC CTGGACGGGGC  
G A P S L L L L P C A T P A P A  
651 CTGGTGGGCG CGGATGGGCG CGGGGGGGCT CGGGTGGTGGG TGCGATGGG  
S C A R M R P R T L G P W S L P  
701 CCTGGAGGG GACGGGGGGC CCTGGGAGG CGGGGGACTT GGGCATGGC  
S S S G S G A P A E G R D L G I A  
751 TTTAATTTTC TATGGTGAA ATA  
F N F L C C K .

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FIGURE 1 //

AMINO ACID ALIGNMENT BETWEEN CRIPTO AND CRIPTIN

criptin	1	50
cripto	MTWRHHVRL FTDSLALQI ..INLGNSYQ REKHNGGREG VTKVATQKHR	
	MDCRKMARFS YSVIWIMAI KVFELGLVAG LGHQEFARPS RGYLAFRDD	
criptin	51	100
cripto	QSPLNWTSSH FGEVTGSAEG WGPEEPLPYS RAFGEGASAR PRCCRNGGTC	
	IWPQE..... EPAIRPRSSQ RVPPMGIQHS KELNRT.... .CCLNNGTC	
criptin	101	150
cripto	VLGSFCVCAPA HFTGRYCEHD QRRSECGALE HGAWTLRACH LRCRIFGALH	
	MLGSFCACAPP SFYGRNCEHD VRKENCGSVP HDTWLPKKCS LCKCWHGQLR	
criptin	151	200
cripto	CLPLQTPDRC DP....KDFL ASHAHGPSAG GAPSLLLLP CATPAPASCA	
	CFPQAFLPGC DGLVMDEHLV ASRTPELPPS ARTMTFMLVG ICLSIQSYY.	
criptin	201	237
cripto	RMRPRTLGPW SLPSSSGSGA PAEGRDLGIA FNFLCCK	
	.....	

Note: Conserved Cysteine residues are shown in BOLD.

FIGURE 2 1/1 325200-455